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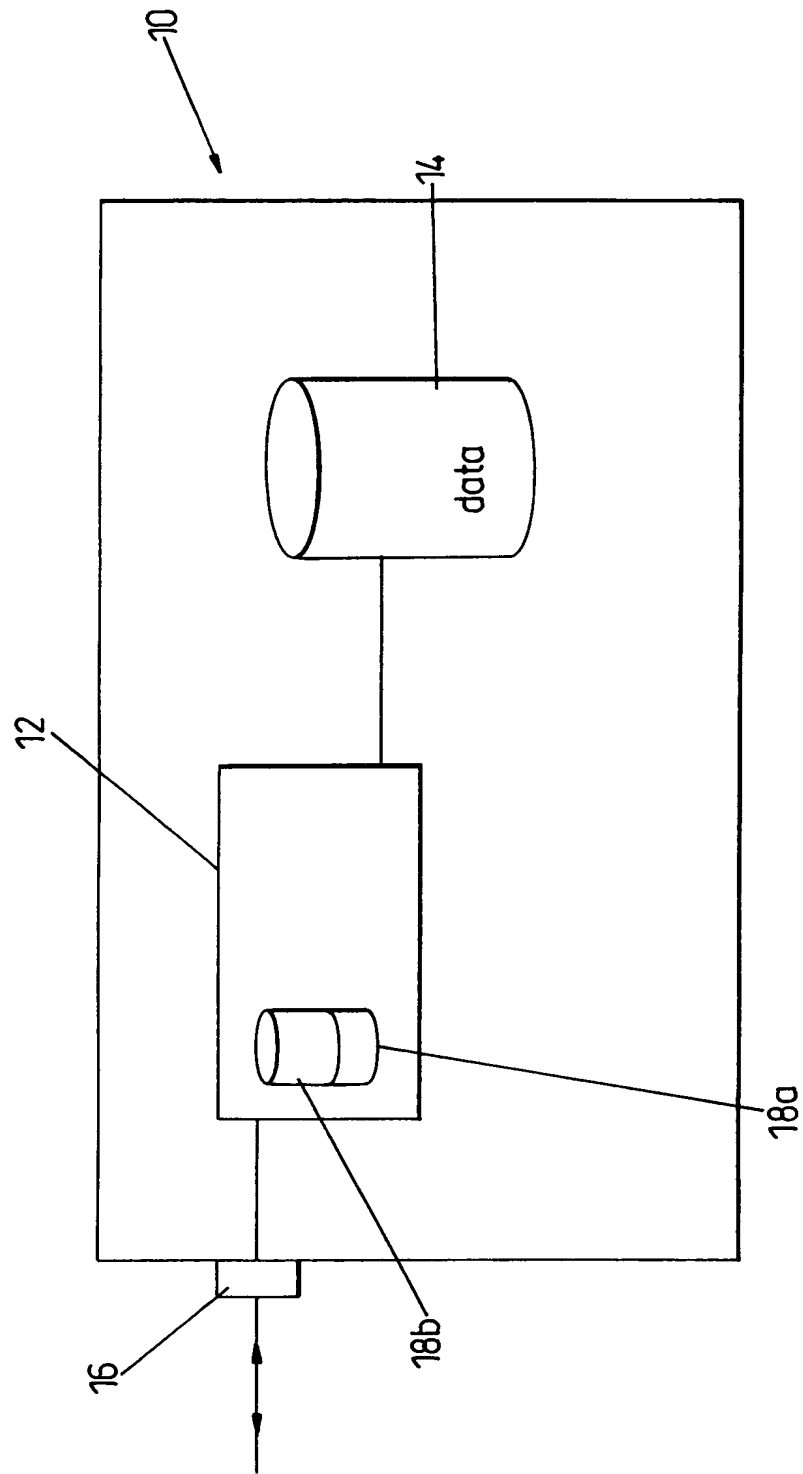
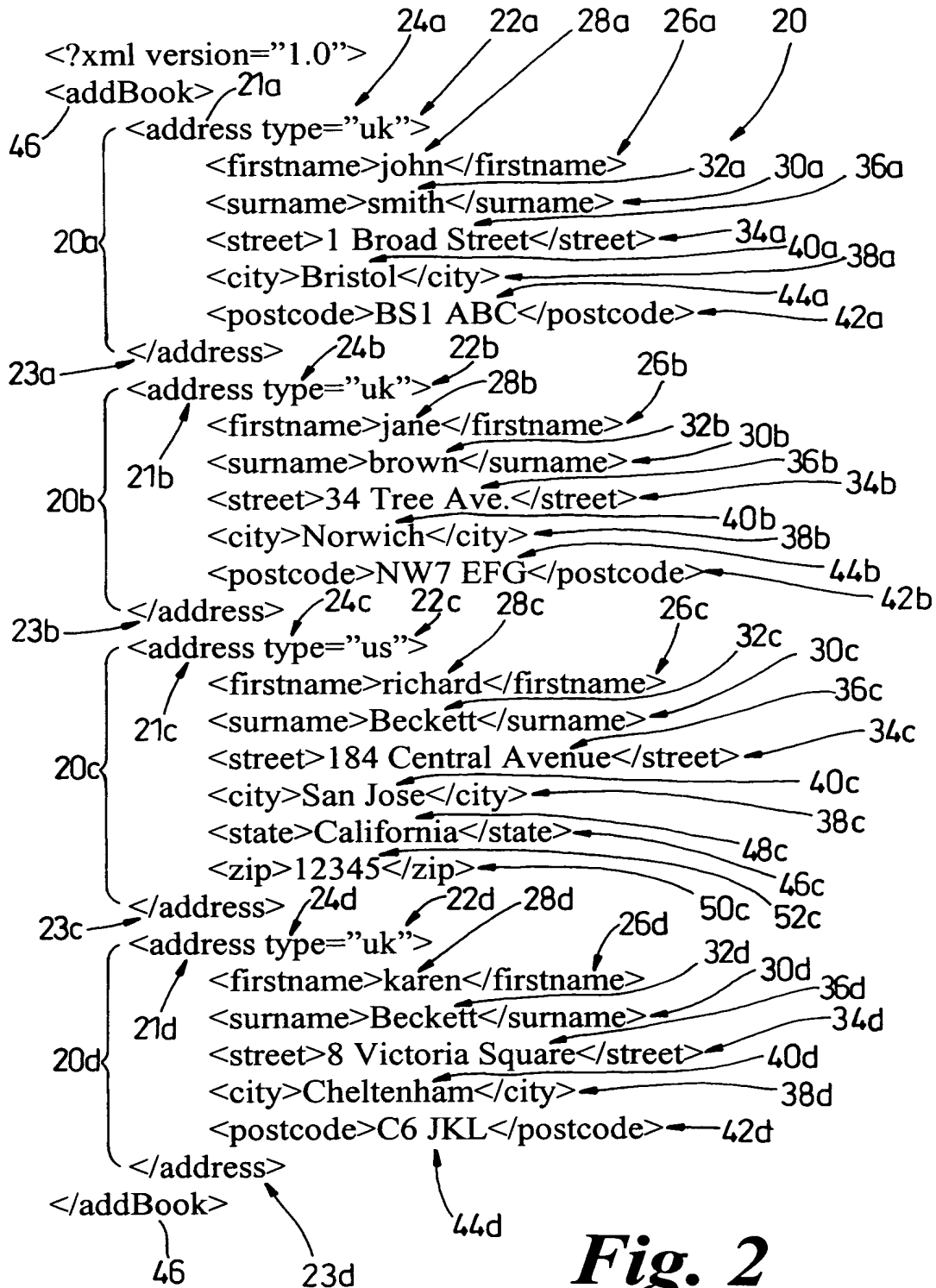


Fig. 1

**Fig. 2**

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60

62

64

66

66a

68a

68

62a

64a

DOL

Index	Type	Name	Value
0	E	AddBook	
1	E	Address	
2	A	Type	Uk
3	E	Firstname	
4	T		John
5	E	Surname	
6	T		Smith
7	E	Street	
8	T		1 Broad Street
9	E	City	
10	T		Bristol
11	E	Postcode	
12	T		BS1 ABC
13	E	Address	
14	A	Type	Uk
15	E	Firstname	
16	T		Jane
17	E	Surname	
18	T		Brown
19	E	Street	
20	T		34 Tree Ave.
21	E	City	
22	T		Norwich
23	E	Postcode	
24	T		NW7 EFG
25	E	Address	
26	A	Type	Us
27	E	Firstname	
28	T		Richard
29	E	Surname	
30	T		Beckett
31	E	Street	
32	T		184 Central Avenue
33	E	City	
34	T		San Jose
35	E	State	
36	T		California
37	E	Zip	
38	T		12345
39	E	Address	
40	A	Type	Uk
41	E	Firstname	
42	T		Karen
43	E	Surname	
44	T		Beckett
45	E	Street	
46	T		8 Victoria Square
47	E	City	
48	T		Cheltenham
49	E	Postcode	
50	T		C6 JKL

*Fig. 3*

**YPath Table**

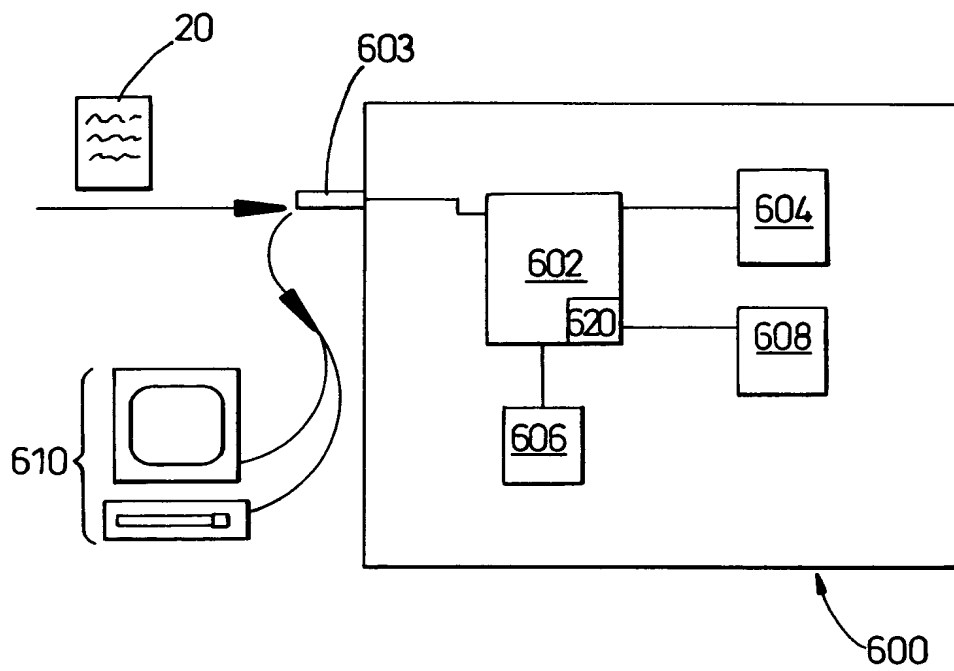
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78	addBook\address	1 13 25 39
80	addBook\address\@type	2 14 26 40
82	addBook\address\firstname	3 15 27 41
84	addBook\address\firstname\text	4 15 28 42
86	addBook\address\surname	5 17 29 43
88	addBook\address\surname\text	6 18 30 44
90	addBook\address\street	7 19 31 45
92	addBook\address\street\text	8 20 32 46
94	addBook\address\city	9 21 33 47
96	addBook\address\city\text	10 22 34 48
98	addBook\address\postcode	11 23 49
100	addBook\address\postcode\text	12 24 50
102	addBook\address\state	35
104	addBook\address\state\text	36
106	addBook\address\zip	37
108	addBook\address\zip\text	38

**Fig. 4**

**ZPath Table**

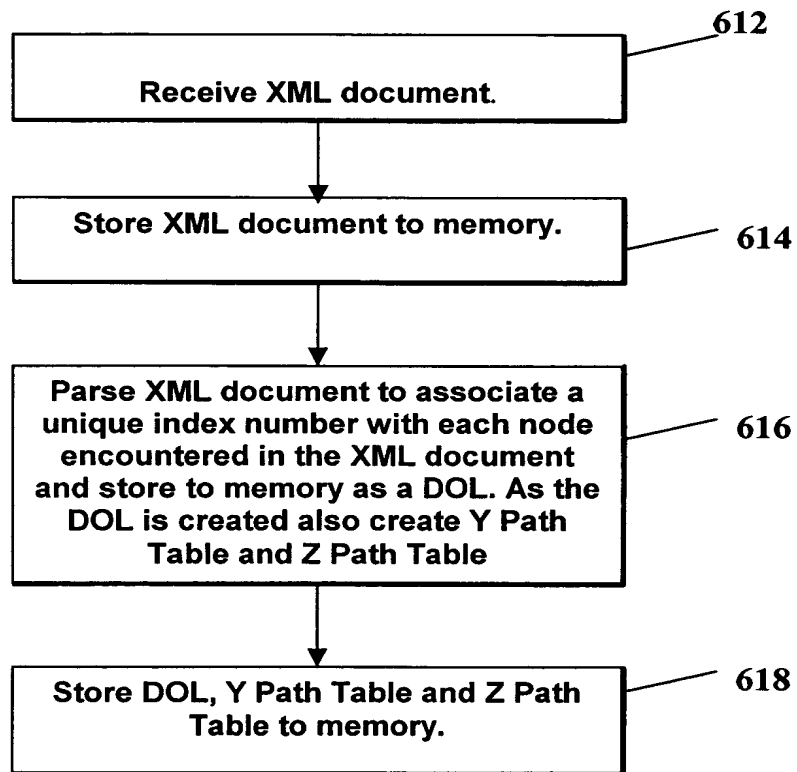
112	1	0
116	1/1	1
118	1/2	13
120	1/3	25
122	1/4	39
124	1/1/1	2 3 5 7 9 11
126	1/2/1	14 15 17 19 21 23
128	1/3/1	26 27 29 31 33 35 37
130	1/4/1	40 41 43 45 47 49
132	1/1/1/1	4 6 8 10 12
134	1/2/1/1	16 18 20 22 24
136	1/3/1/1	28 30 32 34 36 38
138	1/4/1/1	42 44 46 48 50
140		

**Fig 5**



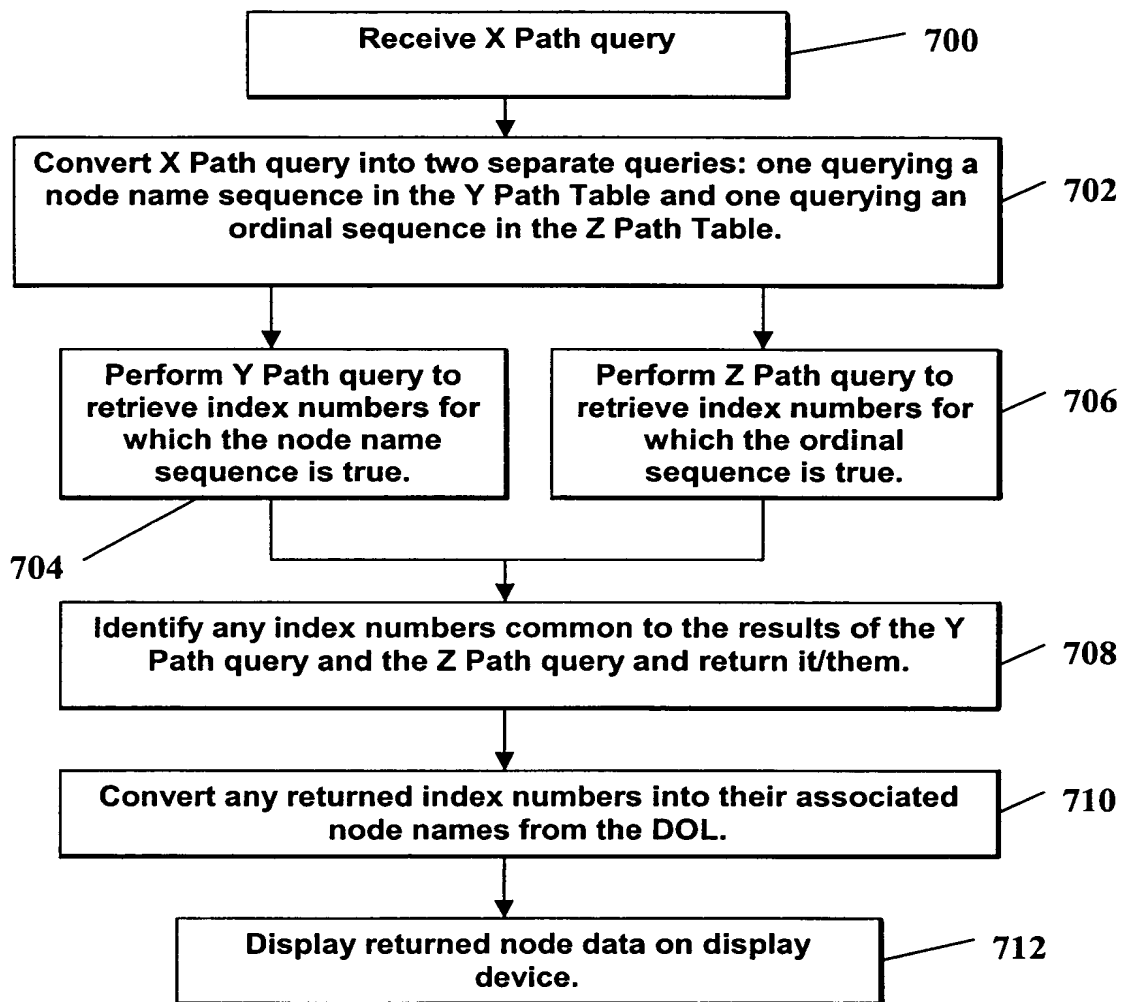
***Fig. 6A***

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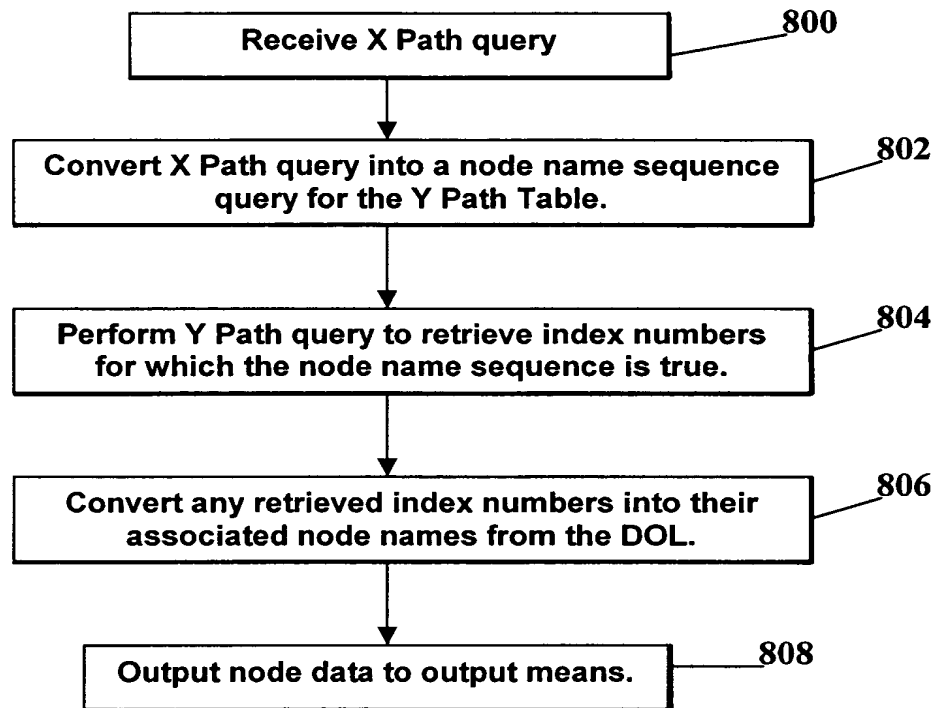
*Fig. 6B*

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*Fig. 7*

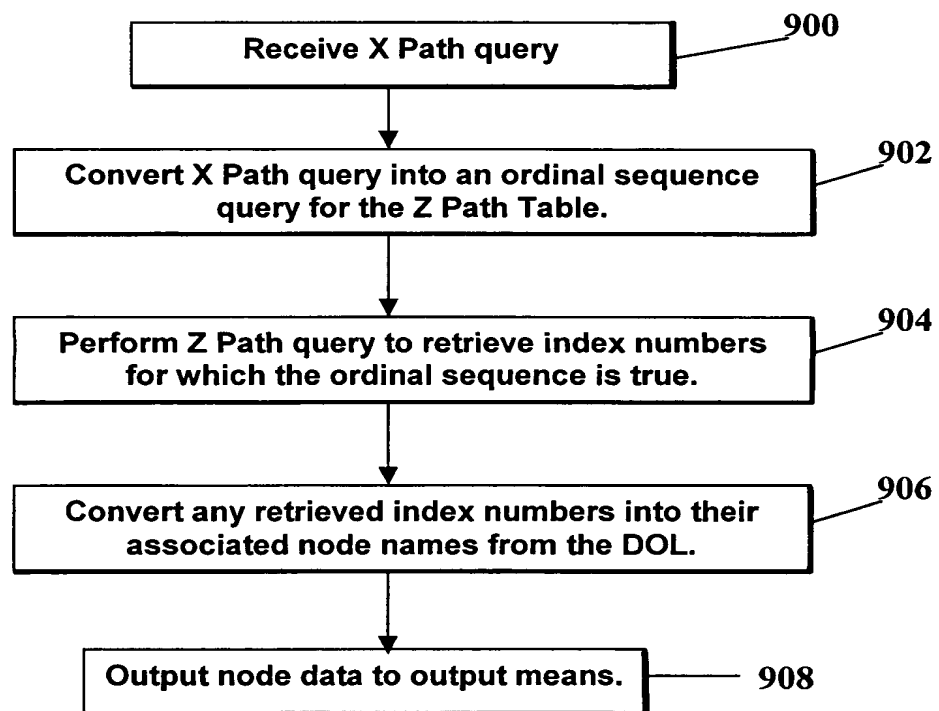
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*Fig. 8*

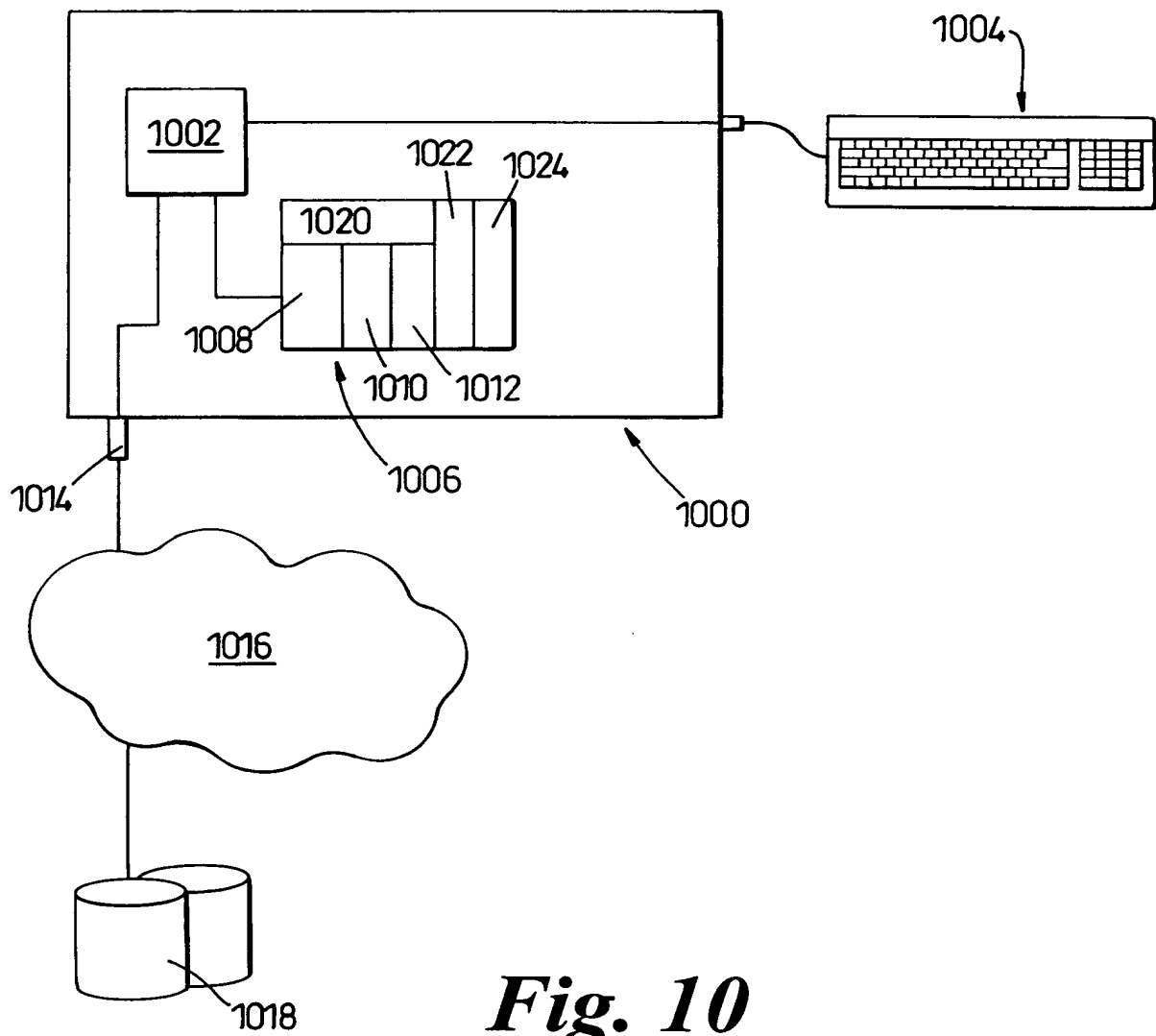


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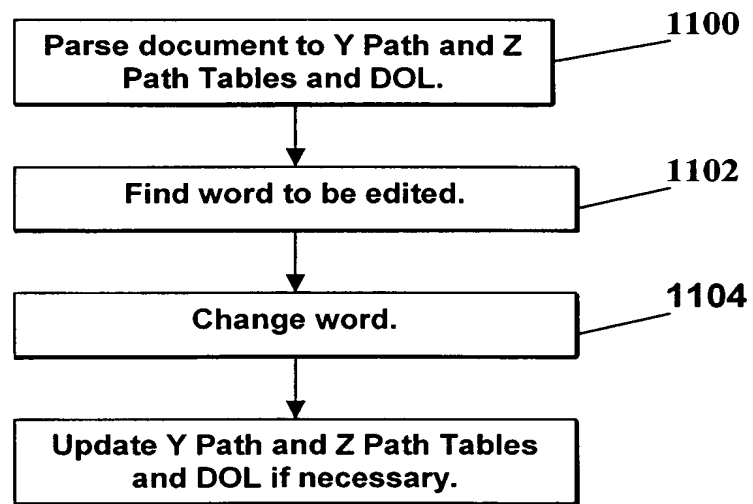
*Fig. 9*

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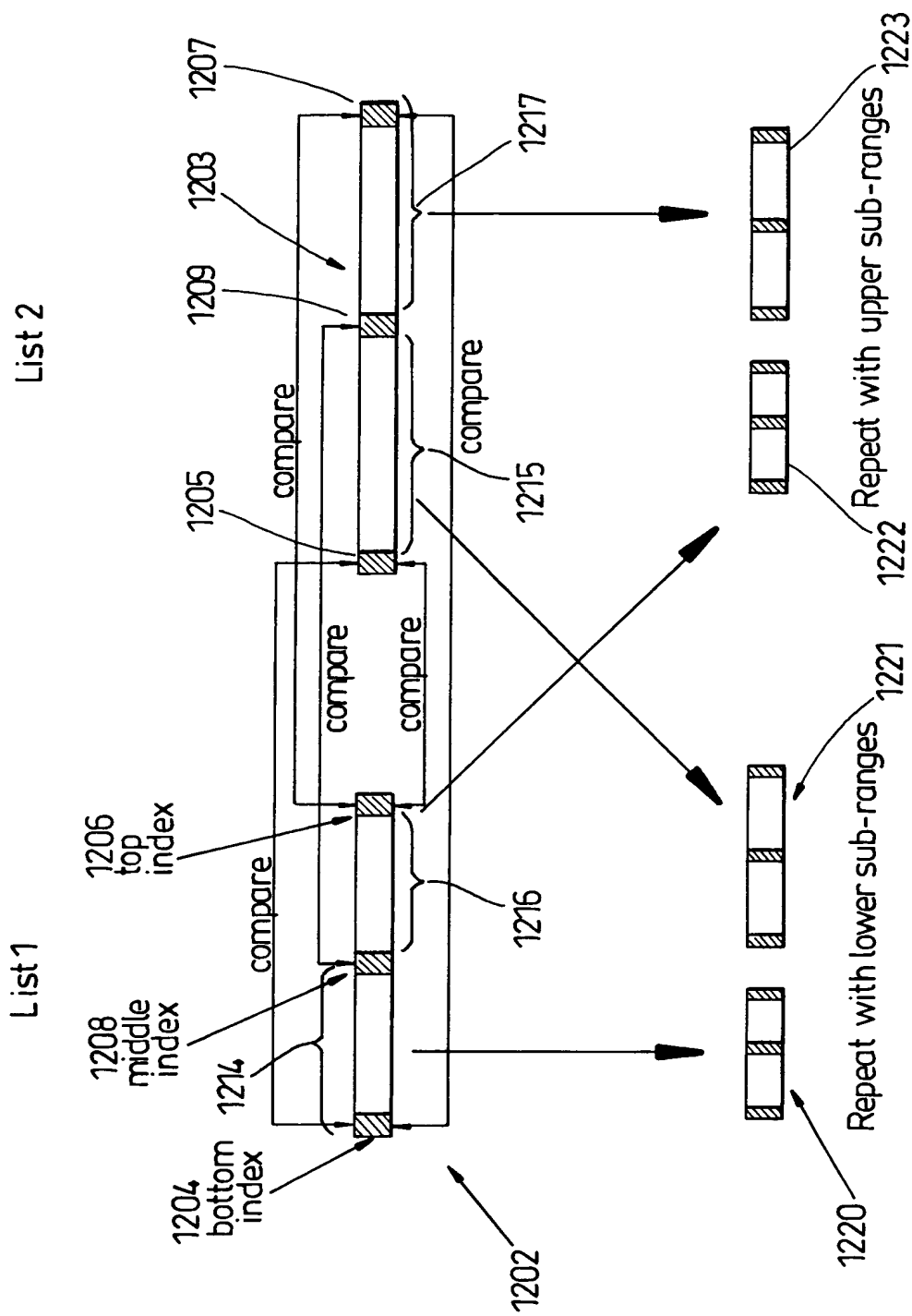


**Fig. 10**

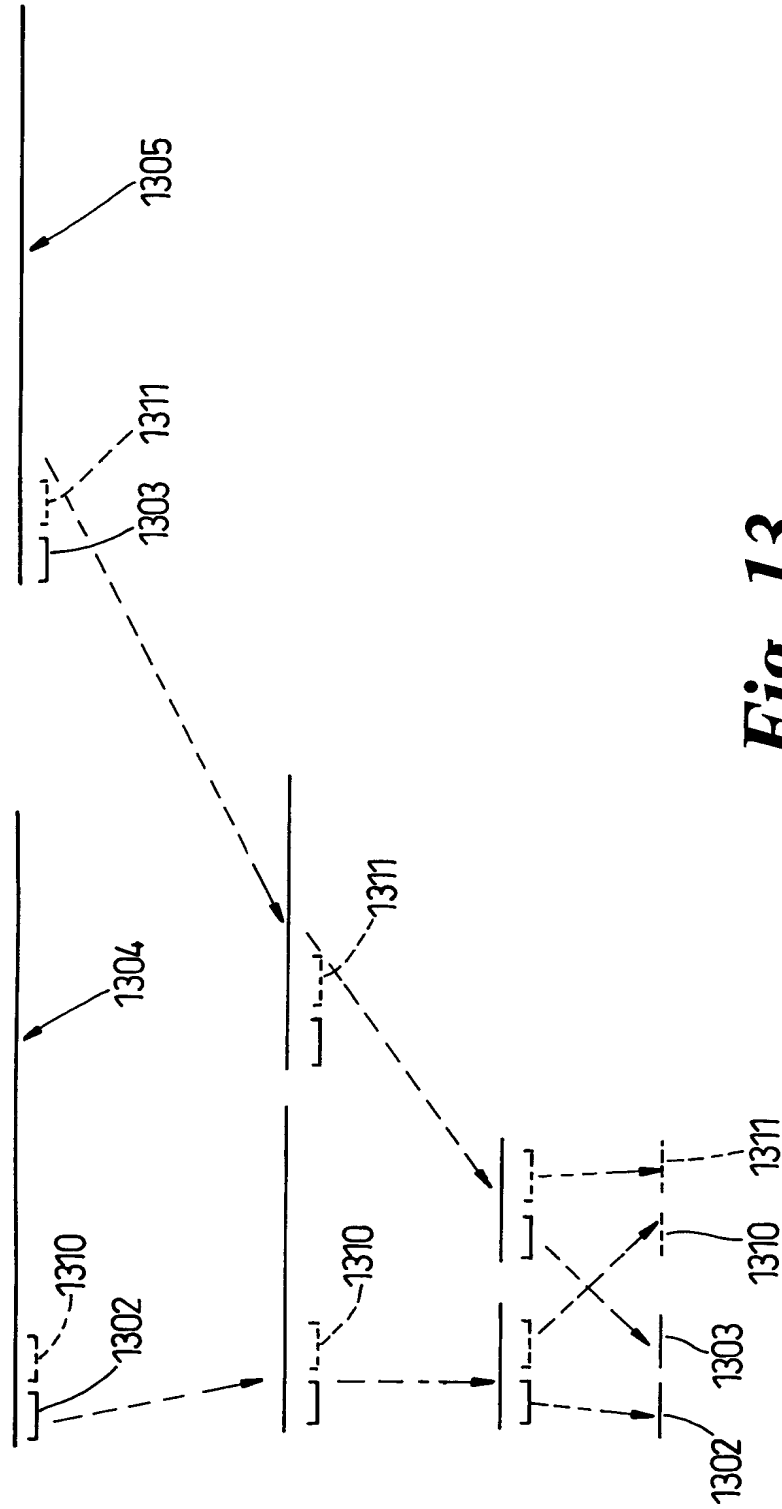
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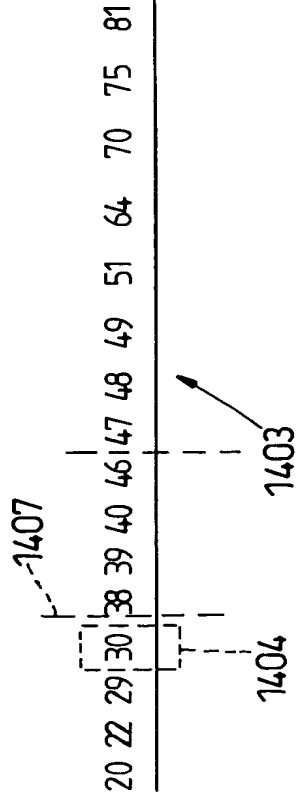
*Fig. 11*



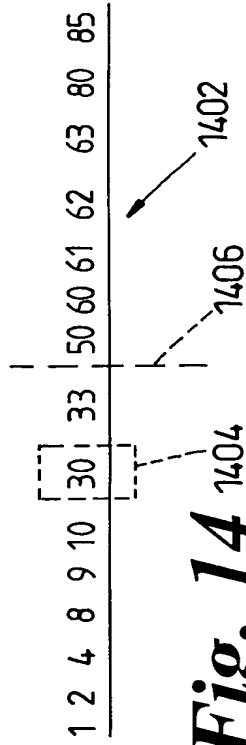
**Fig. 12**



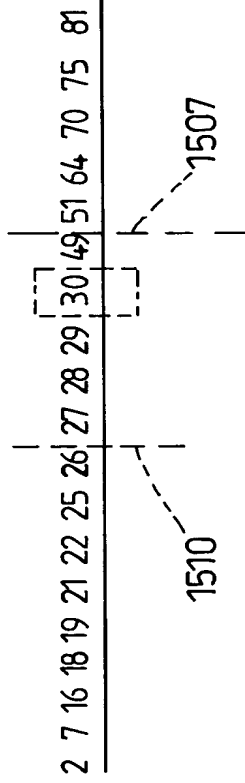
*Fig. 13*



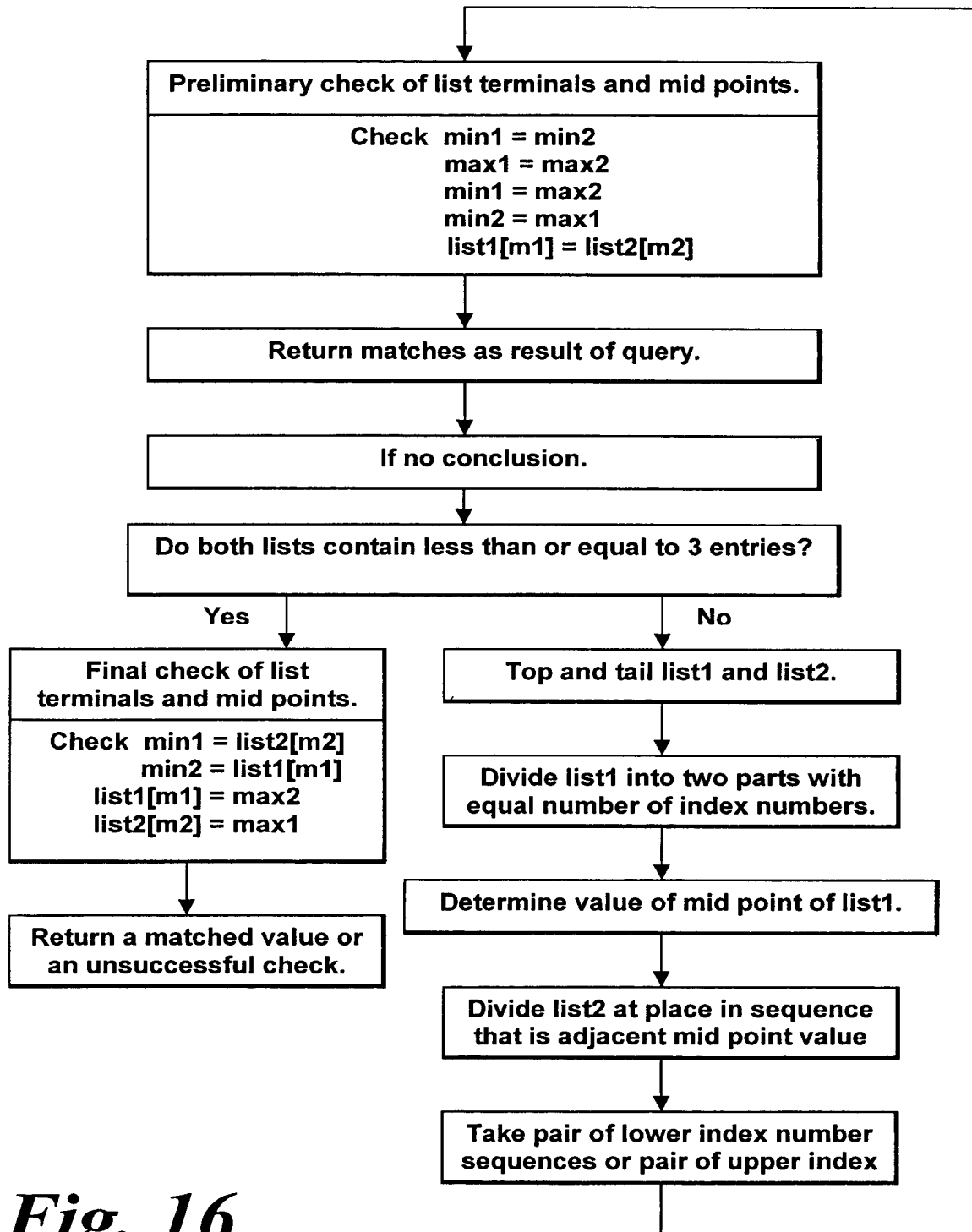
**Fig. 14**



**Fig. 15**



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*Fig. 16*